

ISOLATION AND FLOW DIRECTION/CONTROL PLATES
FOR A HEAT EXCHANGER

ABSTRACT OF THE DISCLOSURE

A method and apparatus for controlling and isolating heat
exchanger flows in a heat exchanger includes at least one isolation and
5 flow direction control plate (40) having at least one fluid slot (45). The
isolation and flow direction control plates (40, 41, 42) create a plurality of
smaller heat exchangers 50 within a heat exchanger assembly (1). The
isolation and flow direction control plates (40, 41, 42) permit fluid
communication between the corresponding smaller heat exchangers (50)
10 and individualized flow direction control over a shell side fluid flow
between a shell side fluid inlet (11) and a shell side fluid outlet (12) of the
heat exchanger assembly (1).

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